

Species Tag:	52006	Species Name:	HOCl
Version:	3		Hypochlorous acid
Date:	Jan. 1984		
Contributor:	H. M. Pickett		

Lines Listed:	6929	Q(300.0)=	9521.381
Freq. (GHz) <	9983	Q(225.0)=	6181.587
Max. J:	60	Q(150.0)=	3363.566
LOGSTR0=	-7.9	Q(75.00)=	1190.145
LOGSTR1=	-8.0	Q(37.50)=	421.891
Isotope Corr.:	-0.122	Q(18.75)=	150.626
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	58.371
μ_a =	0.3627	A=	613483.8
μ_b =	1.471	B=	15116.795
μ_c =		C=	14725.78

The data and calculational method are given in H. E. Singbeil *et al.*, 1984, J. Mol. Spect. **103**, 466. The chlorine hyperfine structure is omitted in this version of the catalog for higher J , since the splittings are generally smaller than the width of lower stratospheric lines. The maximum value of K_a in the calculation is 20.